

What is claimed is:

1. A digital broadcast system comprising a broadcast device and  
5 a receiving device; wherein the broadcast device multiplexes and  
broadcasts contents and information on the type of contents,  
and wherein the receiving device makes a determination whether  
or not the contents are restorable on the basis of the information on the  
type of the contents before performing the restoration process of the  
10 contents,  
and wherein the process for the contents according to the  
determination is changed.
2. A broadcast device for a digital broadcast system, wherein  
15 contents and information on the type of contents are multiplexed and  
broadcasted.
3. A receiving device for a digital broadcast system, wherein a  
determination is made whether or not contents are restorable based on  
20 the information on the type of the contents before restoring the contents,  
and wherein the process for the contents is changed according to  
the determination.
4. A receiving device of claim 3, wherein a set of contents are  
25 repeatedly transmitted and only the contents selected out of the set of  
contents are restored and displayed on the receiving device side.
5. A receiving device of claim 3, wherein the information on the  
type of contents includes information on the type of a plurality of content  
30 elements contained in corresponding contents.

6. A receiving device of claim 5, wherein the receiving device not performs the restoration of all the contents in the case any of a plurality of content elements contained in the content is not restorable.

5           7. A receiving device of claim 5, wherein in the case any of a plurality of content elements contained in the content is not restorable, the receiving device not performs the restoration of only the content elements that are not restorable.

10           8. A receiving device of claim 3, wherein, when handling information made to correspond to the information on the type of contents is transmitted from the broadcast device and when the receiving device determines on the basis of the information on the type of the contents that the contents are not restorable, the receiving device determines on the basis of the handling information either to restore and  
15 to output for display the contents as they are in an incomplete state or not to restore at all and not to output for display.

          9. A receiving device of claim 3, wherein a plurality pieces of information on the types of contents for a plurality of contents are  
20 collectively transmitted.

          10. A receiving device of claim 3, wherein the receiving device stores information on the type of restorable contents recorded in advance, and compares the recorded information on the type of restorable contents  
25 with information on the type of received contents to determine whether or not the received contents are restorable.

          11. A reception program for operating a computer constituting part of a receiving device; wherein, when a restoration process is to be  
30 made for contents, a determination is made whether or not the contents are restorable on the basis of information on the type of the contents, and

the process applied to the contents is changed according to the determination.

12. A method of digital broadcast for broadcasting contents from  
5 a broadcasting party to a receiving party or parties, comprising the steps of:

    multiplexing and broadcasting the contents and the information on the type of contents by the broadcasting side,

    making a determination whether or not the contents are restorable  
10 on the basis of the information on the type of contents by the receiving side before performing the restoration process of the contents, and

    not performing the restoration process of the contents when the contents are determined not to be restorable.

13. A digital broadcast system comprising a broadcast device  
15 and a receiving device, wherein the broadcast device multiplexes and broadcasts contents, information on the type of contents, and information on the location where a program for restoring the contents is to be acquired,

20 and wherein the receiving device determines, when performing the restoration process of the contents, whether or not the contents are restorable on the basis of the information on the type of the contents, and

    and wherein the receiving device acquires the program on the basis of the acquisition location information and performs the restoration  
25 process of the contents when not restorable.

14. A digital broadcast system of claim 13, wherein the broadcast device further broadcasts information on conditions necessary for acquiring the program on the receiving device side,

30 and wherein the receiving device determines whether or not the program can be acquired on the basis of the necessary condition

information received.

15. A broadcast device for a digital broadcast system, wherein the device multiplexes and broadcasts contents, information on the type of contents, and information on the location where a program for restoring the contents is to be acquired.

16. A broadcast device of claim 15, wherein the device further broadcasts information on conditions necessary for acquiring the program on the receiving device side.

17. A receiving device for a digital broadcast system, wherein the device determines before restoring the contents whether or not the contents are restorable on the basis of the information on the type of the contents, and

and wherein when not restorable, performs the restoration process of the contents after acquiring the program on the basis of the acquisition location information.

18. A receiving device of claim 17, wherein the receiving device determines whether or not the program can be acquired on the basis of the necessary condition information received.

19. A receiving device of claim 17, wherein the acquisition location information is a URL on the Internet.

20. A receiving device of claim 19, wherein the receiving device is provided with a connecting section to the Internet for downloading digital information therein.

21. A receiving device of claim 17, wherein the acquisition location information is one for specifying a program coming through

broadcast.

22. A reception program for controlling a computer constituting part of a receiving device, wherein a determination is made whether or not the contents are restorable on the basis of information on the type of the contents when a restoration process is to be made for contents,

and wherein, when not restorable, a program is acquired on the basis of the acquisition location information, followed by a contents restoration process.

23. A reception program of claim 22, wherein a determination is made whether or not the program can be acquired on the basis of the necessary condition information received.

24. A method of digital broadcast for broadcasting contents from a broadcasting party to a receiving party or parties, comprising the steps of:

multiplexing and broadcasting the contents, the information on the type of contents, and information on the location where a program for restoring the contents is to be acquired by the broadcasting side,

making a determination whether or not the contents are restorable on the basis of the information on the type of contents by the receiving side when performing the restoration process of the contents, and

acquiring the program on the basis of the acquisition location information and performing the restoration process of the contents by the receiving device when not restorable.

25. A method of digital broadcast of claim 24, wherein the broadcasting side further broadcasts information on conditions necessary for acquiring a program on the receiving side, and wherein the receiving side determines whether or not the

program can be acquired on the basis of the necessary condition information received.

26. A digital broadcast system comprising a broadcast device  
5 and a receiving device, wherein the broadcast device broadcasts information on the location for acquiring digital information to be downloaded on the receiving device side, and also broadcasts conditions necessary for downloading the digital information as necessary condition information,

10 and wherein the receiving device makes a determination whether or not the digital information can be downloaded on the basis of the necessary condition information before starting downloading the digital information.

15 27. A broadcast device for a digital broadcast system, wherein the device broadcasts acquisition location information on the digital information to be downloaded on the receiving device side, and also broadcasts conditions necessary for downloading the digital information as necessary condition information.

20 28. A receiving device for a digital broadcast system, wherein the device makes a determination whether or not the digital information coming on the air can be downloaded on the basis of the necessary condition information when starting downloading the digital  
25 information.

29. A receiving device of claim 28, wherein the acquisition location information is a URL on the Internet where the digital information is recorded.

30 30. A receiving device of claim 29, wherein the receiving device

is provided with a connecting section to the Internet for downloading the digital information.

31. A receiving device of claim 28, wherein the acquisition  
5 location information is the information for specifying the digital information sent to come through broadcast.

32. A reception program for controlling a computer constituting  
part of a receiving device, wherein a determination is made whether or  
10 not the digital information can be downloaded on the basis of the necessary condition information sent and coming through broadcast when starting downloading digital information.

33. A method of digital broadcast for broadcasting contents from  
15 a broadcasting party to a receiving party or parties, comprising the steps of:

broadcasting acquisition location information on the digital  
information to be downloaded on the receiving side by the broadcasting  
side, and also broadcasting conditions necessary for downloading the  
20 digital information as necessary condition information, and

making a determination whether or not the digital information  
can be downloaded on the basis of the necessary condition information  
when starting downloading the digital information by the receiving side.

25 34. A method for communicating information, wherein contents with information on the type of the contents attached are transmitted from a transmitting side,

and wherein a determination is made on a receiving side whether or  
not the contents are to be restored on the basis of the contents type  
30 information and, the restoration process for the contents is not performed when determined not to be restored.

35. A digital broadcast receiving device comprising:  
receiving means for receiving a transport stream sent and coming  
repeatedly in packets according to a transmission protocol,  
5 sorting means for sorting out and outputting according to preset  
sorting conditions the packets to be sorted out from the packets received,  
sorting condition changing means for changing the sorting  
conditions so that a specified file can be acquired, when information to  
refer to other files is described in self-descriptive type of data stored in  
10 the outputted packets,  
display data creating means for creating display data based on the  
self-descriptive type of data stored in the packets sorted out, and  
bit flag determination means for comparing the bit information,  
with which the types of image files and applications are specified in the  
15 transport stream repeatedly sent to come, with the bit information  
specified in advance on the receiving device side, and for determining one  
of an image file is to be decoded and an application is to be executed at  
the time of decoding in the receiving device.